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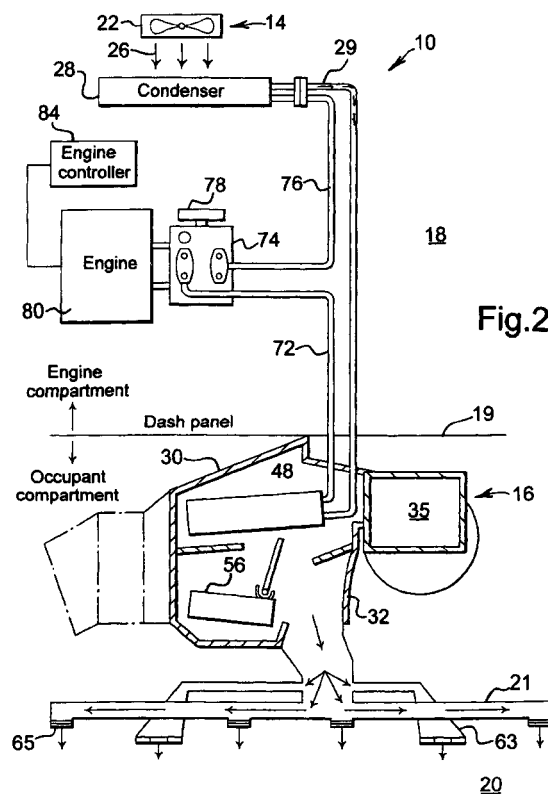
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(54) **Method for designing a vehicle thermal management system**

(57) A method for designing a thermal management system on a vehicle includes the steps of determining a parametric solid model of a vehicle and determining an exterior thermal output of the vehicle from the parametric solid model of the vehicle. The method also includes the steps of determining a parametric solid model of an interior thermal management system on the vehicle and determining an interior thermal output within the vehicle, from the parametric solid model of the interior thermal management system and the external thermal output of the vehicle.





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	BAJPAI A: "AN EXPERT SYSTEM APPROACH TO DESIGN OF AUTOMOTIVE AIR-CONDITIONING SYSTEMS" ARTIFICIAL INTELLIGENCE FOR ENGINEERING DESIGN, ANALYSIS AND MANUFACTURING, LONDON, GB, vol. 8, no. 1, 1994, pages 1-11, XP000654648	1,2,5	G06F17/50
Y	* page 1, column 2, line 22 - line 24 * * page 6, column 1, line 49 - line 51 * * page 6, column 1, line 55 - line 57 * * page 6, column 2, line 48 - line 49 * * page 7, column 1, line 6 - line 10 * * page 7, column 1, line 16 - line 18 * * page 7, column 2, line 24 - line 27 * * page 8, column 1, line 2 - line 7 * * page 8, column 1, line 14 - line 29 * * page 8, column 1, line 36 - line 44 * * page 9, column 2, line 49 - line 56 * * figure 3; table 2 * ---	3,4,6,7	
Y	CONKLU O: "Climate control system simulation using a digital computer" SELECTED PAPERS FROM THE AUTOMOTIVE ENGINEERING CONGRESS, DETROIT, MI, USA, 12-16 JAN. 1970, pages 617-628, XP008018547 1970, New York, NY, USA, Soc. Automotive Engrs, USA * page 621, column 1, line 30 - line 34 * * page 622, column 2, line 44 - line 53 * * page 624, column 1, line 4 - line 17 * * figures 11-14 * --- -/--	3,4,6,7	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G06F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 June 2003	Examiner Radev, B
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

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Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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A	ARGUELLO-SERRANO B ET AL: "Design of a nonlinear HVAC control system with thermal load estimation" CONTROL APPLICATIONS, 1995., PROCEEDINGS OF THE 4TH IEEE CONFERENCE ON ALBANY, NY, USA 28-29 SEPT. 1995, NEW YORK, NY, USA,IEEE, US, 28 September 1995 (1995-09-28), pages 33-39, XP010207413 ISBN: 0-7803-2550-8 * the whole document *	1-3,5,6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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